

**world first**

**ACO's**

smaller than a cellular phone

**Compact size Vibration meter**

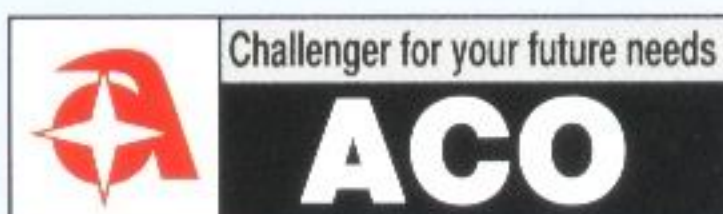
Watch, Listen, Measure, Like a noted Doctor of Industrial Machinery !



3 mode measurements,  
Acceleration, Velocity, Displacement

ACO's Compact size  
Portable Vibration meter

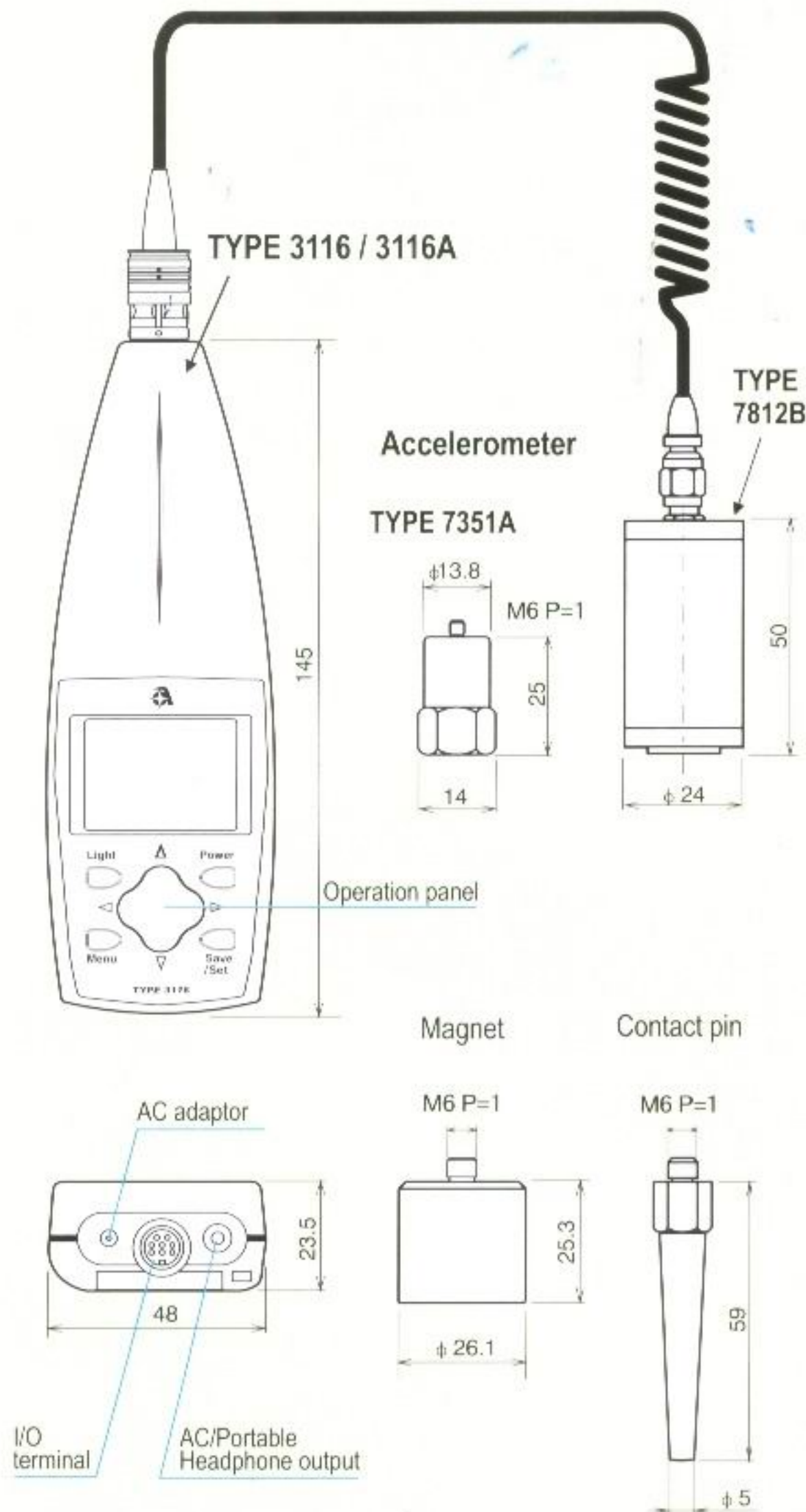
**TYPE 3116 /  
3116A**





# Compact size Vibration Meter

## TYPE 3116 / 3116A



## Specification

Measurement range	
Acceleration (ACC)	: 0.02~200m/s <sup>2</sup> RMS
Velocity (VEL)	: 0.02~200mm/s RMS
Displacement (DISP)	: 2~2000μm EQ p-p
Frequency range	
Acceleration (ACC)	: 3Hz~10kHz
Velocity (VEL)	: 10Hz~1kHz (Compliant with JIS B0907-1989)
Displacement (DISP)	: 10Hz~400Hz
Measurement range	
Acceleration (ACC)	: 20, 200m/s <sup>2</sup> RMS
Velocity (VEL)	: 20, 200mm/s RMS
Displacement (DISP)	: 200, 2000μm EQ p-p
Display characteristics	
Acceleration (ACC)	: RMS, EQ Peak, Peak
Velocity (VEL)	: RMS, EQ Peak, Peak
Displacement (DISP)	: RMS, EQ Peak, EQ p-p Peak EQ Peak=RMS × √2, EQ p-p=EQ Peak × 2
Dynamic characteristics (Time constant)	: RMS, EQ Peak, EQ p-p; 1s Peak; 50msec (rise) / 3s (decay)
Liquid crystal display	
Display	: LCD with backlight 128 × 64 dot
Hold	: Data hold
Digital display	: 4digets, Display Period: 1s or 2s (selectable) (Average of 10 data at 100ms, 1s or 20 data at 100ms, 2s)
Bar - graph	: 0~100%
Warning (Overload)	: [Over] is displayed for full scale
Battery	: 4-level residual display
Data memory	: Max.256, 4kB
Output Terminal	: AC on a Menu screen/Portable Headphone Change selection
AC Output	: Output Voltage : 1Vrms (FS) Load resistance : more than 100kΩ
Headphone Output	: Vibration sound monitor by exclusive Portable Headphone With volume function
Display precision	: ±5%
I/O Terminal	: Data output for PC and Direct output for printer Interface : RS-232C
Operating Temperature Range	: Temperature : -10~+50°C Humidity : 30%~90% (no condensing)
Battery Type and Life	: 2 Alkaline Cells type LR03 Approx.12 hours or AC adaptor
Size and Weight	: 145 (H) × 48 (W) × 23.5 (D) Approx.130g (Include Batteries)

### Guarantee

Term for guarantee is twelve months after delivery. Within this term repair is provided for free should a fault occur while the apparatus is being used in the manner prescribed by the manufacturer. Otherwise, a repair fee will be charged.

HOME PAGE URL <http://www.aco-japan.co.jp/>

